

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1 to 38 (Canceled).

39. (Previously presented) A method of removing material from a body lumen, the method comprising:

delivering a catheter comprising a tissue debulking device to a target site in the body lumen;

deflecting a distal portion of the catheter relative to a proximal portion of the catheter to expose the tissue debulking device through a cutting window, the deflecting step being carried out by sliding the tissue debulking device against a cam surface to expose the tissue debulking device through the cutting window; and

debulking the body lumen by rotating the tissue debulking device about a first axis with the tissue debulking device being exposed through the cutting window in the catheter, the debulking step being carried out by advancing the catheter in the body lumen to move the rotating tissue debulking device and cutting window through material in the body lumen during the debulking step.

40. (Canceled).

41. (Canceled).

42. (Previously presented) The method of claim 39 wherein the first axis is a longitudinal axis of the catheter.

43. (Canceled).
44. (Original) The method of claim 39 further comprising packing severed material into a collection chamber.
45. (Original) The method of claim 39 wherein deflecting comprises urging the tissue debulking device against the material in the body lumen.
46. (Original) The method of claim 39 wherein delivering comprises attaching a guidewire to a monorail delivery assembly on the catheter.
47. (Original) The method of claim 39 wherein the target site is a stent.
48. (Original) The method of claim 39 wherein deflecting is carried out by moving the tissue debulking device from a first position to a second position.
- Claims 49 to 76 (Canceled).